





Web Images Videos Maps News Shopping Gmail more ▾

Sign in

Google scholar projective approach to computer-aided drawing [Advanced Scholar Search](#)
[Scholar Preferences](#)

Scholar  Articles and patents  anytime  include citations  Results 1 - 10 of about

The architecture machine

N Negroponte - **Computer-Aided Design**, 1975 - Elsevier

... as well as the subject; the latter is a more traditional machine intelligence **approach**. ... It is exemplary of this attitude toward **computer-aided** design in that the machine offers ... a person's lettering mannerisms helps recognize and segregate characters from **projective** geometry, an ...

[Cited by 179](#) - [Related articles](#) - [All 4 versions](#)

The twisted cubic curve: A **computer-aided** geometric design **approach**

AR Forrest - **Computer-Aided Design**, 1980 - Elsevier

... This paper presents a general **approach** to the twisted cubic in its rational parametric form ... curve which may not have been appreciated earlier in the context of **computer-aided** geometric design. ... We need not be concerned here with the theorems of **projective** geometry leading to ...

[Cited by 55](#) - [Related articles](#)

Sketching with **projective** 2D strokes

O Tolba, J Dorsey, L McMillan - ... of the 12th annual ACM symposium ..., 1999 - portal.acm.org

... approached the problem by creating a new **drawing** paradigm, based on **projective** 2D points ... such as wood models, also need to be seamlessly integrated with **computer-aided** design. ... The proposed **approach** has the same directness of these methods without the internal 3D ...

[Cited by 50](#) - [Related articles](#) - [All 21 versions](#)

[CITATION] A Projective Approach to Computer-Aided Drawing

O Tolba - 2001 - PhD thesis, Massachusetts Institute ...

[Cited by 3](#) - [Related articles](#)

[CITATION] Curves and Surfaces for CAGD

G Farin - 1993

[Cited by 4151](#) - [Related articles](#) - [All 14 versions](#)

[BOOK] Handbook of **computer aided** geometric design

GE Farin, J Hoschek, MS Kim - 2002 - books.google.com

... Preface CAGD-short for **Computer Aided** Geometric Design-is the discipline concerned with the computational and geometric aspects of free-form ... 2 NURBS curves and surfaces in **projective** geometry 46 3.1. ... 4 The medial axis transform in a sphere geometric **approach** 55 3.2. ...

[Cited by 122](#) - [Related articles](#) - [Library Search](#) - [All 4 versions](#)

[BOOK] Fundamentals of **computer-aided** geometric design

J Hoschek, D Lasser - 1993 - books.google.com

... **Approach** 425 9.7.2. Hybrid Methods 426 9.7.3. The Bivariate **Approach** 427 9.7 ... and quality control, eg in the sewing machine, textile and shoe industries, • **drawing** marine charts ... foundations of geometric data processing, usually referred to as **computer aided** geometric design ...

[Cited by 1012](#) - [Related articles](#) - [Library Search](#) - [All 4 versions](#)

[PDF] A two-stage **approach** for interpreting line **drawings** of curved objects

PAC Varley, Y Takahashi, J Mitani, H Suzuki - ... workshop on sketch-based ..., 2004 - Citeseer

... The limitations of our **approach** come from two sources: the limitations of RIBALD, and the ... [TDM99]

O. Tolba, J. Dorsey and L. McMillan, Sket- ching with **Projective** 2D Strokes ... T. Varady and RR Martin, Reverse Engi- neering in: The Handbook of **Computer Aided** Design, eds. ...

[Cited by 17](#) - [Related articles](#) - [All 8 versions](#)

[PDF] Drawing for illustration and annotation in 3D

D Bourguignon, MP Cani, G Drettakis - Computer Graphics Forum, 2001 - Citeseer

... the floor plane. This **approach** can be useful for camera path description for example, but seems potentially unintuitive for **drawing** shapes. Tolba et al. 24 , use **projective** 2D strokes in an architectural context. By projecting 2D ...

[Cited by 51](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 33 versions](#)

Computer-aided fixture design system for comprehensive modular fixtures

JL Hou, AJC Trappey - International Journal of Production ..., 2001 - informaworld.com

... to the baseplate; the second datum is usually the facet with the largest **projective** edge (onto to ... detection cannot be simpliUed by coordinate trans- formation, analysis is conducted by an approximate **approach**. ... **Computer-aided** Uxture design for comprehensive modular Uxtures ...

[Cited by 18](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

 [Create email alert](#)

Google 

Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

projective approach to computer-aid

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more ▾](#)

[Sign in](#)

Google scholar

"a projective approach to computer-aided draw

[Advanced Scholar Search](#)
[Scholar Preferences](#)

Scholar



Articles and patents



anytime



include citations



Results **1 - 3** of **3**. (0.04

[CITATION] A Projective Approach to Computer-Aided Drawing

O Tolba - 2001 - PhD thesis, Massachusetts Institute ...

[Cited by 3](#) - [Related articles](#)

[PDF] Indexed taxonomies of non-photorealistic rendering

MC Sousa - SIGGRAPH 2003 Course 10: Theory and Practice of ..., 2003 - cs.nccu.edu.tw

Page 1. Indexed Taxonomies of Non-Photorealistic Rendering Mario Costa Sousa

Department of Computer Science University of Calgary 2500 University Drive NW Calgary,

AB, Canada T2N 1N4 Email: mario@cpsc.ucalgary.ca References ...

[Cited by 3](#) - [Related articles](#) - [View as HTML](#) - [All 2 versions](#)

[PDF] Ein projektiver Ansatz computergestützten Zeichnens

M Möske - 2003 - pi4.informatik.uni-mannheim.de

Page 1. Ein projektiver Ansatz computergestützten Zeichnens

Seminararbeit von cand. wirtsch.-inf. Michael Möske ...

[Related articles](#) - [View as HTML](#)



Create email alert

"a projective approach to computer-aided drawing"

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Web Images Videos Maps News Shopping Gmail more ▾

Sign in

Google scholar

projective approach to computer-aided drawing

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)

Scholar



Articles and patents



anytime



include citations



Results 1 - 10 of about

Sketching with **projective** 2D strokes

O Tolba, J Dorsey, L McMillan - ... of the 12th annual ACM symposium ..., 1999 - portal.acm.org
... INTRODUCTION Despite the progress and sophistication of three-dimensional (3D) modeling in **computer-aided** design (CAD) systems ... In our **approach**, we provide controls for **editing** and (a) (b) (c) Figure 2: The user interface displays vanishing lines and **projective** grids, while ...

Cited by 50 - [Related articles](#) - [All 21 versions](#)

The architecture machine

N Negroponte - **Computer-Aided** Design, 1975 - Elsevier
... a person's lettering mannerisms helps recognize and segregate characters from **projective** geometry, an ... 9. Coons, SA 'An outline of the requirements for **computer-aided** design systems ... J. An Image Processing **Approach** to Computer Graphics, Presented at Conference on ...

Cited by 179 - [Related articles](#) - [All 4 versions](#)

[CITATION] The Juno-2 constraint-based **drawing editor**

A Heydon, G Nelson - Technical Report 131a, Digital Systems Research, 1994

Cited by 96 - [Related articles](#) - [All 5 versions](#)

An expert system **approach** to art psychotherapy

S Kim, HJ Ryu, JO Hwang, MSH Kim - The Arts in Psychotherapy, 2006 - Elsevier
... Numerous studies have warned against using only **projective** methods to identify abused, neglected, or indifferently treated ... A solution: expert system **approach**. ... The frame of the expert system discussed below demonstrates how **computer-aided** technology can enhance the ...

Cited by 2 - [Related articles](#) - [All 2 versions](#)

Analytic **drawing** of 3D scaffolds

R Schmidt, A Khan, K Singh, G ... - ACM Transactions on ..., 2009 - portal.acm.org
... Optimization-based reconstruction of a 3D object from a single freehand line **drawing**. **Computer-Aided** Design 28, 651--663. ... 41. Tolba, O., Dorsey, J., and McMillan, L. 2001. A **projective drawing** system. ... A two-stage **approach** for interpreting line **drawings** of curved objects. ...

[Related articles](#)

[PDF] CASA-a system for **computer aided** constructive algebraic geometry

M Mmik, F Winkler - risc.uni-linz.ac.at

Page 1. CASA - A System for **Computer Aided** Constructive Algebraic Geometry Michal Mmik* and Franz Winkler** Research Institute for ... This **approach** was chosen in order to keep the on-line help consistent with printed manual ... The curve C{ from Section 3.7 is a **projective** curve ...

Cited by 17 - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

An idiosyncratic systems **approach** to interactive graphics

N Negroponte - Proceedings of the ACM/SIGGRAPH workshop on ..., 1976 - portal.acm.org
... or input for- mat is a necessary criterion for an idio- syncratic **approach**, it is ... for example, you view **computer-aided** design as in the domain of **computer aided** instruction, particularly ... Whether we are dealing with diagrams or **projective** geome- try, abstractions or photographs, we ...

Cited by 6 - [Related articles](#) - [All 2 versions](#)

Computer graphics: A keyword-indexed bibliography for the years 1976, 1977, and 1978*

GF Schrack - Computer Graphics and Image Processing, 1980 - Elsevier

... B. Barnes, An automatic theoretic **approach** to interactive computer graphics command language. ...

In: JR Rice, Editor, Mathematical Software III, Academic Press, Englewood Cliffs, NJ (1977 ... E.

Barnhill, JH Brown and IM Klucewicz, A new twist in **computer aided** geometric design ...

[Cited by 5](#) - [Related articles](#)

The emerging technology of CAD/CAM

L Lichten - Proceedings of the 1984 annual conference of the ..., 1984 - portal.acm.org

... if any direct information for automated process planning and manufacturing, and possible deviations from **projective** geometry in ... technologies, solid modeling will overcome the inertia of tradition and displace **computer-aided** drafting as the predominant modeling **approach**. ...

[Cited by 2](#) - [Related articles](#) - [All 2 versions](#)


Interactive inspection of solids: cross-sections and interferences

J Rossignac, A Megahed, BO ... - ACM SIGGRAPH Computer ..., 1992 - portal.acm.org

... developed an adaptive subdivision search based on a **projective approach** which guarantees ...

CR Categories and Subject Descriptions: 1.3.3 [Computer Graphics]: Picture/Image Generation ... and Realism]; Visible Surface Algorithms; J.6 [**Computer Aided** Engineering]: **Computer** ...

[Cited by 91](#) - [Related articles](#) - [BL Direct](#) - [All 10 versions](#)

 [Create email alert](#)

Google 

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

projective approach to computer-aid

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Web Images Videos Maps News Shopping Gmail more ▾

[Sign in](#)

Google scholar

projective computer-aided drawing photo editir

[Advanced Scholar Search](#)
[Scholar Preferences](#)

Scholar



Articles and patents



anytime



include citations



Results 1 - 10 of about

Sketching with **projective** 2D strokes

O Tolba, J Dorsey, L McMillan - ... of the 12th annual ACM symposium ..., 1999 - portal.acm.org
... INTRODUCTION Despite the progress and sophistication of three-dimensional (**3D**) modeling in **computer-aided** design (CAD ... of this art, such as the use of vanishing points and **projective** grids. ... the picture" approach **models** a scene from a single photograph or **drawing** using a ...

Cited by 50 - [Related articles](#) - [All 21 versions](#)

[CITATION] Using **photo**-consistency to register 2D optical images of the humanface to a **3D** sur model

MJ Clarkson, D Rueckert, DLG Hill, DJ Hawkes - IEEE Transactions on Pattern ..., 2001

Cited by 40 - [Related articles](#) - [All 9 versions](#)

[PDF] Beyond the Low-hanging Fruit: Information Technology in Architectural Design, past, pres and future

MD Gross, EYL Do, BR Johnson - Association of Collegiate Schools of ..., 2000 - Citeseer
... (1998). Path **Drawing** for **3D** Walkthrough. UIST 98. ... T. Seebohm and SV Wyk. Quebec City, Canada,, ACADIA: Association for **Computer-Aided** Design in Architecture: 202-211. Tolba, O., J. Dorsey, et al. (1999). Sketching with **Projective** 2D Strokes. UIST '99, Asheville, ACM. ...

Cited by 4 - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

[CITATION] The mental canvas: A tool for conceptual architectural design and analysis

J Dorsey, S Xu, G Smedresman, H Rushmeier, L ... - Computer Graphics and ..., 2007

Cited by 11 - [Related articles](#) - [All 6 versions](#)

[PDF] Bayesian reconstruction of **3D** shapes and scenes from a single image

F Han, SC Zhu - ... on High Level Knowledge in **3D** Modeling and Motion, 2003 - Citeseer
... the prior **model** under the constraint that it reproduces the observed image/sketch under **projective** geometry. ... As it is well stated in the **photo**-hull theory [16], these methods seek con ... It assumes surface and boundary smoothness, **3D** angle symmetry, like line **drawing** work [9, 11 ...

Cited by 42 - [Related articles](#) - [View as HTML](#) - [All 23 versions](#)

Analytic **drawing** of **3D** scaffolds

R Schmidt, A Khan, K Singh, G ... - ACM Transactions on ..., 2009 - portal.acm.org

... Optimization-based reconstruction of a **3D** object from a single freehand line **drawing**.

Computer-Aided Design 28, 651--663. ... 32. Reith, E., and Liu, CH 1995. What hinders accurate depiction of **projective** shape? ... On expert performance in **3D** curve-**drawing** tasks. In Proc. ...

[Related articles](#)

Three dimensional simulation core restoration based on core outside surface images

HU Shu-long - Journal of Daqing Petroleum Institute, 2003 - en.cnki.com.cn

... @optical treatment which includes luminance and color calibration on the cylindrical **3D projective** view to ... Hangzhou 310027);RESEARCH ON **3D** RECONSTRUCTION OF OBJECTS FROM ENGINEERING **DRAWING**[J];JOURAAL OF **COMPUTER AIDED** DESIGN & ...

[Cached](#) - [BL Direct](#)

On calibrating computer controlled cameras for perceiving 3-D scenes* 1

I Sobel - Artificial Intelligence, 1974 - Elsevier

... 23. D. Perkins , Stereo perception on line **drawing** pairs. In: Ph.D. Thesis, Mass. ... 33. CE Springer , Geometry and Analysis of **Projective** Spaces. , Freeman, San Francisco, Calif. ... 34. GC Temes and DA Calahan , **Computer aided** network optimization—the state of the art. In: Proc. ...

Cited by 111 - Related articles - All 4 versions

New dimension for sketches

R Ženka, P Slavík - Proceedings of the 19th spring conference on ..., 2003 - portal.acm.org

... Figure 10 shows the refined picture compared to the outline of a skeleton made entirely of blobs. It is obvious that blobs ... Assessing the effect of non-photorealistic rendered images in **computer-aided** design. ... A **projective drawing** system. ...


Cited by 3 - Related articles

[PDF] Efficient and Dynamic Simplification of Line Drawings

A Shesh, B Chen - Computer Graphics Forum, 2008 - Citeseer

... and Subject Descriptors (according to ACM CCS): I.3.3 [Computer Graphics]: Picture/Image Generation ... be subject to an arbitrary sequence of rigid, deforming and **projective** transformations, simplifying ... simplified in a line **drawing** to maintain tone and overall shape and possibly ...

Cited by 1 - Related articles - View as HTML - BL Direct - All 9 versions

 [Create email alert](#)

Google 

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

projective computer-aided drawing p

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google




Web Images Videos Maps News Shopping Gmail more ▾

Sign in

Google scholar image-based modeling and photo editing

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)

Scholar  Articles and patents  anytime  include citations  Results **21** - **30** of about 100

[PDF] Content-based image retrieval at the end of the early years

AWM Smeulders, M Worring, S Santini, A Gupta ... - IEEE Transactions on ... 2000 - Citeseer
... The same holds for of a picture of the Kalahari Desert, a dividing cell, or ... Try to imagine an editor taking in pictures without seeing them or a radiologist ... workshop considered mainly Grand Challenge problems, such as weather forecasting, biological **modeling**, medical images ...

Cited by 2872 - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 55 versions](#)

Near-regular texture analysis and manipulation

Y Liu, WC Lin, J Hays - ACM SIGGRAPH 2004 Papers, 2004 - portal.acm.org
... 10: Three complete vertical tiles, each tile is three-floors high, are identified in an outdoor **photo**. ... This generative **model** allows us to produce many new tiles that are not in the ... a statistical texture synthesis method, used to create individual tiles, with our **image based** near-regular ...

Cited by 129 - [Related articles](#) - [BL Direct](#) - [All 18 versions](#)

[BOOK] Image-based research: A sourcebook for qualitative researchers

J Prosser - 1998 - books.google.com

... **Image-based** Research is a contemporary form of structured investigation. ... Claudia and Sandra use old school **photo**- graphs to elicit information from pupils and teachers ... with informative and occasionally humor- ous insights into vernacular images using a descriptive **model**. ...

Cited by 246 - [Related articles](#) - [Library Search](#) - [All 2 versions](#)

[PDF] Image-based object editing

H Rushmeier, J Gomes, L Balmelli, F Bernardini ... - ... Imaging and **Modeling** ..., 2003 - Citeseer
... 215–223. [5] BM Oh, M. Chen, J. Dorsey, and F. Durand, "**Image-based modeling and photo editing**," in SIGGRAPH 2001, pp. 433– 442. [6] SM Seitz and KN Kutulakos, "Plenoptic image **editing**," in 6th IEEE Intl. Conf. on Comp. Vision, 1998, pp. 17–24. ...

Cited by 8 - [Related articles](#) - [View as HTML](#) - [All 8 versions](#)

Active appearance models

TF Cootes, GJ Edwards, CJ Taylor - Computer Vision—ECCV'98, 1998 - Springer
... Although **model**-based methods have proved successful, few of the existing methods use full, **photo**-realistic models which are matched directly by minimis- ing the difference between the image under interpretation and one synthesised by the **model**. ...

Cited by 2636 - [Related articles](#) - [BL Direct](#) - [All 54 versions](#)

Analysis of human faces using a measurement-based skin reflectance **model**

T Weyrich, W Matusik, H Pfister, B Bickel, C ... - ACM Transactions on ... 2006 - portal.acm.org
... In contrast to **image-based** methods, we measure a full BRDF at each surface point using a face-scanning dome similar to the LightStage by Debevec et al. ... No normal map was used; the surface detail is due to the actual geometry of the **model**. Right: Comparison **photo**. ...

Cited by 62 - [Related articles](#) - [BL Direct](#) - [All 12 versions](#)

[PDF] Object-based image editing

WA Barrett, AS Cheney - ACM Transactions on Graphics, 2002 - Citeseer
... defined graphical objects (circles, rectangles, etc.) created in a drawing or **modeling** application. ... **Image- based editing** methods (such as warping with thin-plate splines and with radial basis functions ... Figure 1 Animation of a static, digital **photo**: Mrs. Potato [Hasbro 2001] Takes a ...

[Cited by 61](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 11 versions](#)

[A gentle introduction to bilateral filtering and its applications](#)

S Paris, P Kornprobst, J Tumblin, F ... - ACM SIGGRAPH 2007 ..., 2007 - [portal.acm.org](#)

... Arif Khan , Erik Reinhard , Roland W. Fleming , Heinrich H. Bülthoff, **Image-based** material **editing** ... bilateral filter, Proceedings of the ninth ACM symposium on Solid **modeling** and applications ... 75.

Leonid P. Yaroslavsky, Digital Picture Processing, Springer-Verlag New York, Inc ...

[Cited by 23](#) - [Related articles](#) - [All 2 versions](#)

[Graph cuts and efficient nd image segmentation](#)

Y Boykov, G Funka-Lea - International Journal of Computer Vision, 2006 - Springer

... learning, multi-scale or hierarchical approaches, narrow bands, and other techniques for demanding **photo**, video, and ... (2004) suggested to use a Gaussian Mixture (GM) **model** to approximate ... Our algorithm also allows very efficient **editing** of segmentation results, if necessary. ...

[Cited by 255](#) - [Related articles](#) - [BL Direct](#) - [All 14 versions](#)

[Fast bilateral filtering for the display of high-dynamic-range images](#)

F Durand, J Dorsey - Proceedings of the 29th annual conference on ..., 2002 - [portal.acm.org](#)

... Unfortunately, exposure only operates via global contrast management – that is, it recenters the intensity window on the most relevant range. If the range of intensity is too large, the **photo** will contain under- and over-exposed areas (Fig. 1, rightmost part). ...

[Cited by 455](#) - [Related articles](#) - [BL Direct](#) - [All 46 versions](#)

 [Create email alert](#)



Result Page: [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [Next](#)

image-based modeling and photo editing

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google